

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/705,391
		Filing Date	November 10, 2003
		First Named Inventor	HUGHES, JOY VANNELIA
		Art Unit	Unassigned
		Examiner Name	Unassigned
Total Number of Pages in This Submission		Attorney Docket Number	018563-005910US

ENCLOSURES (Check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP James M. Heslin	Reg. No. 29,541
Signature		
Date	January 21, 2004	

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Typed or printed name	Edward Masinas		
Signature		Date	January 20, 2004

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On January 20, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Edward Masinas
Edward Masinas



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JOY VANNELIA HUGHES et al.

Application No.: 10/705,391

Filed: November 10, 2003

For: SYSTEM AND METHOD FOR
SEPARATING THREE-DIMENSIONAL
MODELS

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the "Non Patent Literature" references are enclosed. It is requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

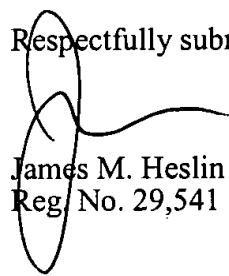
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representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

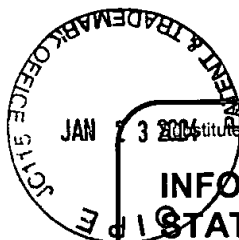
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



James M. Heslin
Reg. No. 29,541

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PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Page 1 of 3

Complete if Known

Application Number	10/705,391
Filing Date	11/10/03
First Named Inventor	HUGHES, JOY VANNELIA, et. al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	018563-005910US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-3,660,900	05-1972	Andrews	
	AB	US-3,860,803	01-1975	Levine	
	AC	US-4,755,139	07-1988	Abbatte et al.	
	AD	US-4,798,534	01-1989	Breads	
	AE	US-4,837,732	06-1989	Brandestini et al.	
	AF	US-4,856,991	08-1989	Breads et al.	
	AG	US-4,936,862	06-1990	Walker et al.	
	AH	US-5,035,613	07-1991	Breads et al.	
	AI	US-5,055,039	10-1991	Abbatte et al.	
	AJ	US-5,059,118	10-1991	Breads et al.	
	AK	US-5,139,419	08-1992	Andreiko et al.	
	AL	US-5,186,623	02-1993	Breads et al.	
	AM	US-5,273,429	12-1993	Rekow et al.	
	AN	US-5,338,198	08-1994	Wu et al.	
	AO	US-5,340,309	08-1994	Robertson	
	AP	US-5,342,202	08-1994	Deshayes	
	AQ	US-5,368,478	11-1994	Andreiko et al.	
	AR	US-5,382,164	01-1995	Stern	
	AS	US-5,395,238	03-1995	Andreiko et al.	
	AT	US-5,431,562	07-1995	Andreiko et al.	
	AU	US-5,447,725	09-1995	Damani et al.	
	AV	US-5,452,219	09-1995	Dehoff et al.	
	AW	US-5,454,717	10-1995	Andreiko et al.	
	AX	US-5,474,448	12-1995	Andreiko et al.	
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	AZ	US-5,549,476	08-1996	Stern	
	BA	US-5,587,912	12-1996	Andersson et al.	
	BB	US-5,605,459	02-1997	Kuroda et al.	
	BC	US-5,607,305	03-1997	Andersson et al.	
	BD	US-5,645,421	07-1997	Slootsky	
	BE	US-5,851,115	12-1998	Carlsson et al.	
	BF	US-5,975,893	11-1999	Chishti et al.	
	BG	US-6,371,761	04-2002	Cheang et al.	

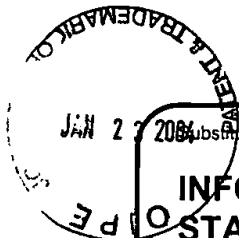
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Page	2	of	3	Attorney Docket Number	018563-005910US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶ <input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
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	BH	AFTOSMIS, "Intesection of Generally Positioned Polygons in R ³ " Downloaded from web on 08/17/2000 <<http://george.arc.nasa.gov/~aftosmis/cart3d/bool_intersection.html>> pp. 1-4.	
	BI	AFTOSMIS, "Tie-breaking, Degeneracies and Floating Point Arithmetic" Downloaded from web on 04/28/1999 <<http://george.arc.nasa.gov/~aftosmis/cart3d/degeneracy/degeneracy.html>> pp. 1-2.	
	BJ	BOHM et al., "A survey of curve and surface methods in CAGD" Computer Aided Geometric Design (1984) 1:1-60.	
	BK	CHIAPPONE, "Constructing the Gnathologic Setup and Positioner" JCO, (02/1980) Vol. XIV No. 2, pp. 121-133.	
	BL	COTTINGHAM, "Gnathologic Clear Plastic Positioner" Am. J. Orthodontics, (01/1969) Vol. 55 No. 1, pp. 23-31.	
	BM	CURETON, "Correcting Malaligned Mandibular Incisors with Removable Retainers" J. Clin. Orthodon. (1996) 30:390-395.	
	BN	EDELSBRUNNER et al., "Simulation of Simplicity: A Technique to Cope with Degenerate Cases in Geometric Algorithms" ACM Transactions on Graphics (1990) 9(1):66-104.	
	BO	KESLING, "The Philosophy of the Tooth Positioning Appliance" Am J. Orthod. Oral Surg. (06/1945) Vol. 31, No. 6 pp. 297-304.	

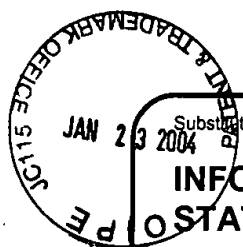
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Page	3	of	3

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BP	KESLING, "Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment" Am. J. Orthod. Oral Surg., (1946) 32:285-293.	
	BQ	KLEEMAN et al., "The Speed Positioner" JCO (12/1996) Vol. XXX, No. 12, pp. 673-680.	
	BR	KURODA et al., "Three-Dimensional Dental Cast Analyzing System Using Laser Scanning" Am. J. Orthod. Dento. Orthop. (10/1996) Vol. 110, No. 4, pp. 365-369.	
	BS	"Adapting Vacuum Thermoforming Machines for Essix™" http://www.essix.com/magazine/default.html , 08/13/1997.	
	BT	SHILLIDAY, "Minimizing Finishing Problems with the Mini-Positioner" Am. J. Orthodontics, (1971) 59:596-599.	
	BU	Tru-Tain Orthodontic & Dental Supplies, AAO Case Partner	
	BV	WARUNEK, et al., "Clinical Use of Silicone Elastomer Appliances" JCO (10/1989) Vol. XXIII, No. 10, pp. 694-700.	
	BW	WELLS, "Application of the Positioner Appliance in Orthodontic Treatment" Am. J. Orthodont (10/1970) Vol. 58, No. 4, pp. 351-366.	

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